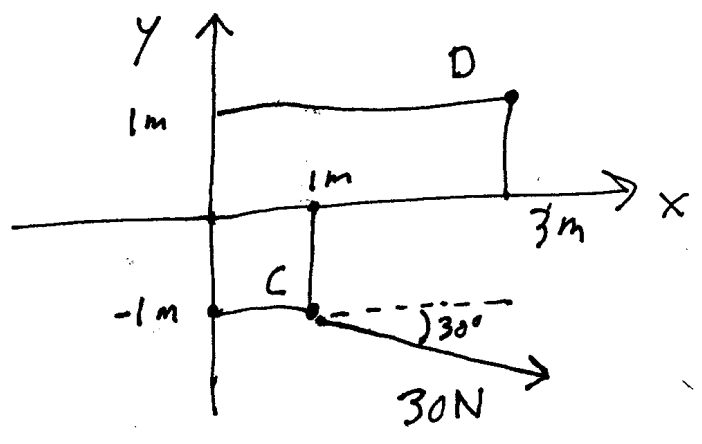


TAN 202
Spring 2003

Quiz

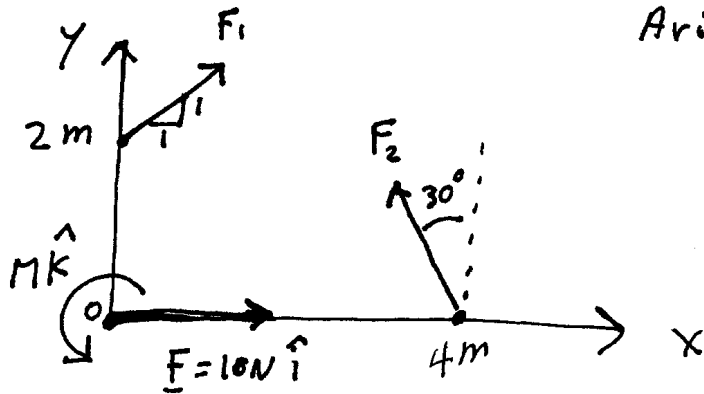
Practice, then
hand in as HW
on Feb. 4, 2003

1) (7 pts) Find a force-couple system at D that is equivalent to the single force at C shown.



$\vec{F}_D =$	
$M_D =$	\hat{k}

2) (10 pts) The force system $(\underline{F}_1, \underline{F}_2)$ is equivalent to a force $\underline{F} = 10\text{N}\hat{i}$ at the origin and a couple $M\hat{k}$. Find M . [You have sufficient information, Arithmetic is not nec. tidy.]



$$\underline{M} = \underline{k}$$